

| Ref # | Hits   | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|---|------------------|---------|------------------|
| L11   | 3522   | isd  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/30 12:34 |
| L12   | 421022 | ".alpha.-"(Ta or tantalum)   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | OFF     | 2005/08/30 12:47 |
| L13   | 722    | 11 and 12  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR               | OFF     | 2005/08/30 12:30 |
| L14   | 34     | 13 and (copper or cu)  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2005/08/30 12:35 |
| L15   | 1      | 10/001805  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2005/08/30 12:32 |
| L16   | 221098 | 11 or sputter\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/30 12:34 |
| L17   | 38369  | 16 and 12  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/30 12:34 |
| L20   | 22051  | 17 and (copper or cu)  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2005/08/30 12:41 |
| L21   | 83981  | tan or (tantalum adj1 nitride)   | US-PGPUB;<br>USPAT  | OR               | OFF     | 2005/08/30 12:36 |
| L23   | 6682   | 21 and 20  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2005/08/30 12:36 |
| L25   | 6439   | 23 and (opening or contact or via or<br>viahole or aperture or<br>interconnect\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/08/30 12:41 |
| L26   | 4077   | 21 same 16   | US-PGPUB;<br>USPAT  | OR               | OFF     | 2005/08/30 12:40 |
| L27   | 2913   | 25 and 26  | US-PGPUB;<br>USPAT  | OR               | OFF     | 2005/08/30 12:38 |
| L28   | 14342  | 12 same 16   | US-PGPUB;<br>USPAT  | OR               | OFF     | 2005/08/30 12:38 |

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|-----|--------|--|---|----|-----|------------------|
| L30 | 594982 | nitrogen or "n.sub.2"  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/30 12:39 |
| L32 | 871    | 21 same 16 same 30   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/30 12:40 |
| L33 | 839    | 32 and 28  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/30 12:40 |
| L34 | 688    | 33 and (copper or cu)  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/30 12:45 |
| L36 | 1095   | alpha near3 (ta or tantalum)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/30 12:46 |
| L40 | 75     | 34 and 36  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/30 13:24 |
| L47 | 8585   | (sio or "sio.sub.2" or (silicon adj1 dioxide)) with constant             | US-PGPUB;<br>USPAT  | OR | ON  | 2005/08/30 14:13 |
| L49 | 1298   | 47 and (dualdamascene or (dual adj1 damascene))                          | US-PGPUB;<br>USPAT  | OR | ON  | 2005/08/30 14:25 |
| L50 | 744    | 49 and 21 and (ta or tantalum) and (copper or cu)                        | US-PGPUB;<br>USPAT  | OR | ON  | 2005/08/30 14:27 |
| S13 | 81868  | frequency same (power or watt) same (bias or voltage)                    | US-PGPUB;<br>USPAT  | OR | ON  | 2005/08/18 15:42 |
| S17 | 65869  | (metal or conductive) near2 line   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/19 08:30 |
| S35 | 16215  | vu   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/19 15:07 |
| S36 | 1408   | S35 and copper   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/19 15:08 |
| S37 | 254    | vu near1 hung  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/19 15:08 |
| S38 | 113    | S37 and (copper or cu)   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/30 12:30 |
| S39 | 66     | S37 and (tantalum or ta)   | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/19 15:08 |
| S40 | 51     | S38 and S39  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/08/19 15:08 |
| S41 | 4      | ("6221757"   "6291885"   "6342448"   "6562715").PN. OR ("6727592").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/08/19 15:14 |
| S42 | 420448 | ".alpha.-"(Ta or tantalum)   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/08/30 12:30 |

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|-----|--------|---|---|----|-----|------------------|
| S43 | 0      | ".alpha.Ta"   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2005/08/19 15:16 |
| S45 | 1092   | alpha near3 (ta or tantalum)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/30 12:46 |
| S46 | 549    | S45 and (alcu or copper or cu)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/29 12:35 |
| S47 | 314-   | S46 and (rough\$4 or bump or uneven or porous or grain) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/19 15:21 |
| S48 | 26     | S40 and (rough\$4 or bump or uneven or porous or grain) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/19 15:25 |
| S49 | 3      | S41 and (rough\$4 or bump or uneven or porous or grain) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/19 15:27 |
| S50 | 211    | S47 and (tan or (tantalum adj1 nitride))                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/19 15:28 |
| S66 | 601336 | hsg or grain\$4 or rug\$4                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/08/29 14:40 |
| S67 | 704578 | capacitor   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/08/29 14:41 |